

1 **50733/MJM/E349**

ABSTRACT OF THE DISCLOSURE

5 An optical thick film formed on a photodetector improves the optical coupling efficiency between the optical fiber and photodetector which are optically coupled. The optical thick film has a refractive index that is between the refractive index of air and the refractive index of photodetector upon which the optical matching coating is disposed. Silicone may advantageously be formed as the optical thick film coating on the photodetector.

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